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Assistant Commissioner for Patents, Washington, D.C. 20231

on 7.31.01

By: Renee Lamantia
Renee Lamantia

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Diamond et al.

Serial No.: 09/781,104

Filed: 08 February 2001

For: Catalysts, Metal Complexes,
Compositions and Arrays Containing
Erbium

Group Art Unit: Unknown

Examiner: Unknown

Assistant Commissioner for Patents
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

Applicants submit herewith patents, publications and other information of which they are aware, which they believe an examiner may consider to be material to the patentability of the claims of this application, and in respect of which there may be a duty to disclose in accordance with 37 C.F.R. § 1.56.

While this Information Disclosure Statement may contain "material" information pursuant to 37 C.F.R. § 1.56, it is not intended to constitute an admission that any patent, publication or other information referred to herein is either "material" or "prior art" to the invention disclosed and claimed in the above-referenced application unless specifically designated as such. Applicants specifically reserve the right, where appropriate, to avoid or antedate any such reference by the appropriate arguments or showings under 37 C.F.R. § 1.131 and § 1.608, or any other appropriate means.

A completed PTO Form 1449 listing each reference is submitted herewith, and it is respectfully requested that an Examiner initialed copy of the PTO Form 1449 be returned to the undersigned. A copy of each reference therein listed does not accompany this Information Disclosure Statement, as the references were submitted in the parent application, U.S. Serial No. 09/285,363 filed April 2, 1999 (See 37 C.F.R. § 1.98(d)).

This Information Disclosure Statement is being filed within three months of the filing or entry of the national stage of this application, or before the mailing of a first Office Action on the merits, whichever is later. No fee is required under 37 C.F.R. § 1.97(b). However, in the event that more than 90 days from filing have elapsed and a first

Office Action on the merits has been mailed, the Commissioner is hereby authorized to charge the fee required under 37 C.F.R. 1.17(p) to Deposit Account Number 50-0496.

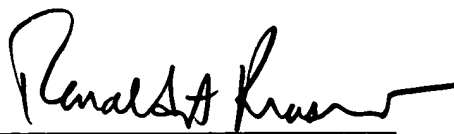
The Examiner is hereby requested to consider these references and other information and make them of record in the above-referenced application. Applicants respectfully submit that the claims of this application are patentable over the above-cited references and information. Examination and allowance of this application at an early date are requested.

Respectfully submitted,

Date:

7-30-01

By:



Ronald A. Krasnow, Registration No. 33,321

Symyx Technologies, Inc.
3100 Central Expressway
Santa Clara, CA 95051
Tel: (408) 764-2000
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TC 1700

1754



Docket No. 2000-015R1
Patent

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Serial No.: 09/781,104

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For: Catalysts, Metal Complexes,
Compositions and Arrays Containing
Erbium

Group Art Unit: 1754

Examiner: Unknown

Assistant Commissioner for Patents
Washington, D.C. 20231

TRANSMITTAL LETTER

Sir:

Transmitted herewith (check all that apply):

- | | |
|--|--|
| <input type="checkbox"/> Preliminary Amendment | <input checked="" type="checkbox"/> Information Disclosure Statement |
| <input type="checkbox"/> Response/Amendment | <input type="checkbox"/> Petition Under 37 CFR 1.97(d)(2) |
| <input type="checkbox"/> Response/Amendment After Final | <input type="checkbox"/> Formal Drawings |
| <input type="checkbox"/> Supplemental Amendment | <input type="checkbox"/> Declaration Under 37 CFR 1.131 |
| <input type="checkbox"/> Affidavits/Declarations | <input type="checkbox"/> Declaration Under 37 CFR 1.132 |
| <input type="checkbox"/> Declaration and Power of Attorney | <input type="checkbox"/> Terminal Disclaimer |
| <input type="checkbox"/> Supplemental Declaration | <input type="checkbox"/> Small Entity Statement |
| <input type="checkbox"/> Associate Power of Attorney | <input type="checkbox"/> Request for Refund |
| <input type="checkbox"/> Change of Correspondence Address | <input type="checkbox"/> Appeal |
| <input type="checkbox"/> Associate Power of Attorney | <input type="checkbox"/> Petition |
| <input type="checkbox"/> Response to Missing Parts | <input type="checkbox"/> Status Letter |

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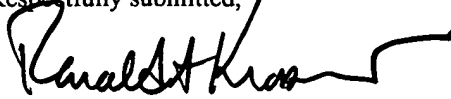
to be filed in the above-identified patent application.

☒ No fee is required.

☒ The Commissioner is hereby authorized to charge payment of any additional filing fees required under 37 C.F.R. § 1.16, in connection with the paper(s) transmitted herewith, or credit any overpayment of same, to Deposit Account No. 50-0496.

A duplicate copy of this Transmittal Letter is transmitted herewith.

Respectfully submitted,



Ronald A. Krasnow

Reg. No. 33,321

Attorney for Applicant(s)

Date: 7-30-01

Symyx Technologies, Inc.
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INFORMATION DISCLOSURE
CITATION

PTO-1449

ATTORNEY'S DOCKET NO.:

2000-015R1

APPLICATION NO.:

09/781,104

APPLICANT: Diamond et al.

FILING DATE: 02/08/2001

GROUP: Unknown

US PATENT DOCUMENTS

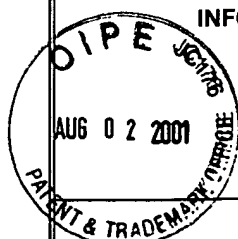
EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	5,504,049	4/1996	Crowther et al.			
	5,153,157	10/1992	Hlatky et al.			
	5,453,410	9/1995	Kolhammer et al.			
	4,057,565	11/1977	Manzer			
	6,175,409	1/2001	Nielsen et al.			
	5,985,356	11/1999	Schultz et al.			
	5,064,802	11/1991	Stevens et al.			
	5,616,664	4/1997	Timmers et al.			
	5,599,761	2/1997	Turner			
	5,021,379	6/1991	Martin et al.			

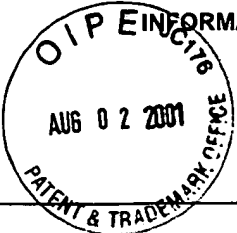
FOREIGN DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION?
	✓ WO 00/09255	2/2000	PCT			
	✓ WO 96/13529	5/1996	PCT			
	✓ WO 97/42232	11/197	PCT			
	✓ WO 97/42239	11/1997	PCT			
	✓ WO 98/03521	1/1998	PCT			
	✓ WO 99/06413	2/1999	PCT			
	✓ EP 277 004	8/1988	Europe			
	✓ EP 805 142	3/1999	Europe			

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages Etc.)

	Anwander, R. in "Applied Homogeneous Catalysis with Organometallic Compounds", Cornils B., Hermann W. A., Eds. (VCH Publishers, New York, 1996), Vol. 2, Section 3.2.5, pp. 866-892 "Rare Earth Metals in Homogeneous Catalysis"
	Ballard et al., J. Chem. Soc., Chem. Comm., 1978, 994-995 "Alkyl Bridged Complexes of the Group 3A and Lanthanoid Metals as Homogeneous Ethylene Polymerisation Catalysts"
(No Copy; Book)	Collman, J.P., Et Al. "Principles And Applications Of Organotransition Metal Chemistry" University Science Books, California, 1987
	✓ Britovsek, et al., Angew. Chem. Int. Ed., 1999, vol. 38, pp. 429-447 "The Search for New-Generation Olefin Polymerization Catalysts: Life Beyond Metallocenes"
	✓ Lappert et al., Inorganic Syntheses, vol. 27 (1990), pp. 164-168 "32. Hydrocarbon-Soluble Homoleptic Bulky Aryl Oxides of the Lanthanide Metals: [Ln(OAr ^R) ₃]"
	✓ Hitchcock et al., J. Chem. Soc. Chem. Commun., 1983, pp. 1499-1501 "Three- and Four-co-ordinate, Hydrocarbon-soluble-Aryloxides of Scandium, Yttrium, and the Lanthanoids; X-ray Crystal Structure of Tris (2,6-di-t-butyl-4-methylphenoxo) scandium"
	✓ Hitchcock et al., J. Chem. Soc. Chem. Commun., 1988, pp. 1007-1009 "Synthesis and Structural Characterization of the First Neutral Homoleptic Lanthanide Metal (III) Alkyls: [LnR ₃] [Ln=La or Sm, R = CH(SiMe ₃) ₂]"



	INFORMATION DISCLOSURE CITATION	
	ATTORNEY'S DOCKET NO.:	APPLICATION NO.:
	2000-015R1	09/781,104
APPLICANT: Diamond et al.		
FILING DATE: 02/08/2001		GROUP: Unknown
OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages Etc.)		
✓	Guerin et al., Organometallics 1995, 14:3154-3156 "Conformationally Rigid Diamide Complexes: Synthesis and Structure of Tantalum (III) Alkyne Derivatives"	
✓	Ouyang, et al, Proc. China-U.S. Bilateral Symp. Poly. Chem. Phys. (1981), Meeting Date 1979, pp. 382-398 "Studies On Coordination Catalysts Based On Rare Earth Compounds In Stereospecific Polymerization"	
	Williams, et al. "New Bifunctional Perfluoroaryl Boranes: Synthesis and Reactivity of the ortho-Phenylene-Bridged Diboranes 1,2-[B(C ₆ F ₅) ₂] ₂ C ₆ X ₄ (X = H, F)", J. Am. Chem. Soc., 1999, 121, 3244-3245	
✓	Schaverien "Organometallic Chemistry of the Lanthanides," Advances in Organometallic Chemistry, 1994, vol. 36, pp. 283-362	
✓	Schaverien et al., Inorg. Chem., 1991, 30, pp. 4968-4978 "Chemistry of (Octaethylporphyrinato) lutetium and -yttrium Complezes: Synthesis and Reactivity of (OEP) MX Derivatives and the Selective Activation of O ₂ by (OEP) Y (μ-ME) ₂ AlMe ₂	
✓	Shen, ", Inorganica Chimica Acta, 1987, vol. 140, pp. 7-14 "Progress In Coordination Polymerization By Rare Earth Catalysts"	
✓	Yang, et al., J. Polym. Sci, Part A, Polym. Chem., 1992, vol. 30, pp. 63-69; "New Coordination Catalysts Based on Rare Earth Compounds for Polymerization of 1-Octene"	
	Tian et al., Organometallics 1999, 18: 2568-2570 "Constrained Geometry Organolanthanide Catalysts, Synthesis, Structural Characterization, and Enhanced Aminoalkene Hydroamination/Cyclization Activity"	

Examiner: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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